

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To:

PCT

see form PCTISA220

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)

Date of mailing
(day/month/year) see form PCTISA210 (second sheet)

Applicant's or agent's file reference
see form PCTISA220

FOR FURTHER ACTION
See paragraph 2 below

International application No.
PCT/BG2004/000018

International filing date (day/month/year)
15.09.2004

Priority date (day/month/year)
06.04.2004

International Patent Classification (IPC) or both national classification and IPC
E04H6/08

Applicant
PETKOV, Mihail D.

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☒ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 56.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCTISA220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCTISA220.

3. For further details, see notes to Form PCTISA220.

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**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/BG2004/000018

Box No. I Basis of the opinion

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
☐ This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material:
☐ a sequence listing
☐ table(s) related to the sequence listing
 - b. format of material:
☐ in written format
☐ in computer readable form
 - c. time of filing/furnishing:
☐ contained in the international application as filed.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/SG2004/000018

Box No. II Priority

1. ☒ The following document has not been furnished:

☒ copy of the earlier application whose priority has been claimed (Rule 43bis.1 and 66.7(a)).

☐ translation of the earlier application whose priority has been claimed (Rule 43bis.1 and 66.7(b)).

Consequently it has not been possible to consider the validity of the priority claim. This opinion has nevertheless been established on the assumption that the relevant date is the claimed priority date.

2. ☐ This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rules 43bis.1 and 64.1). Thus for the purposes of this opinion, the international filing date indicated above is considered to be the relevant date.

3. ☐ It has not been possible to consider the validity of the priority claim because a copy of the priority document was not available to the ISA at the time that the search was conducted (Rule 17.1). This opinion has nevertheless been established on the assumption that the relevant date is the claimed priority date.

4. Additional observations, if necessary:

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes: Claims	1-6
	No: Claims	

Inventive step (IS)	Yes: Claims	1-6
	No: Claims	

Industrial applicability (IA)	Yes: Claims	1-6
	No: Claims	

2. Citations and explanations

see separate sheet

Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1 Reference is made to the following documents:

D1: US-A-3 708 933

D2: Patent Abstracts of Japan, vol. 1996, no. 05, 31 May 1996 &
JP-A-08 00 4343

2 The present application meets the criteria of Article 33(1) PCT, because the subject-matter of independent claim 1 is new in the sense of Article 33(2) PCT and involves an inventive step in the sense of Article 33(3) PCT.

3 The problem to be solved by the present invention may be regarded as to increase the use of the space of a school yard underground for functions which do not require sun light.

4 The solution to this problem proposed in claim 1 of the present application is considered as involving an inventive step (Article 33(3) PCT) since the combination of features of this claim is neither known from, nor rendered obvious by, the available prior art:

- D2 discloses a demountable building usable as a garage comprising a construction which is at least two-storeyed (cf. figure 1) that includes reinforcing walls (cf. column 2, lines 42-44; figure 10), bearing intermediate pillars 22, 23, prestressed precast floor panels founding on supporting beams 24 as well as short consoles 26, 125 in the place where the floor is (cf. figures 1, 3 and 10), wherein the bearing intermediate pillars' 22, 23 length matches the height of the at least two-storeyed construction (cf. figure 1), the bearing intermediate pillars 22, 23 are arranged in rows parallel to a basic traverse line (cf. figure 1) and the pillars are restrained in monolithic footings 28 (cf. figures 3 and 10), wherein the short consoles 26, 125 are arranged in direction parallel to a basic traverse line, and wherein the bearing beams 24 are mounted to them in the same direction and have longitudinal footings (25) over which the floor panels (14) are affixed.

- A construction for ~~one-storey~~ underground garages is known from D1. The construction is provided with precast concrete-made walls 21, 22, 23, 24, intermediate pillars 3 arranged in rows and floor panels 51 founding on supporting beams 41 (cf. figure 3).
- 5 Claims 2-6 are dependent on claim 1 and as such also meet the requirements of the PCT with respect to novelty and inventive step.